

## IN THE CLAIMS

Please amend claims 1-15 as follows.

A clean copy of the amended claims is included below. A marked up copy of the amended claims is included in Appendix A.

- 1        1. (Currently Amended) A voice-producing prosthesis, comprising:
  - 2              a housing for placement in a passage between the esophagus or throat and an upper region of the trachea,
  - 3              a passage through said housing for passing air,
  - 4              at least one vibrantly movable vibrating element for vibrating air to produce sound having at least one base frequency, and
  - 5              at least one stop for abruptly impeding the movability of the at least one vibrating element in at least one position; the at least one vibrating element being arranged to increase sound volume and base frequency with the intensity of an airflow through the passage.
- 1        2. (Currently Amended) A voice-producing prosthesis according to claim 1, wherein the at least one vibrating element is designed as a flexible lip projecting into or before the passage.
- 1        3. (Currently Amended) A prosthesis according to according to claim 1, wherein the vibrating element projects from a substantially immovable connection to the housing in the passage, and wherein the stop is located opposite a portion of the vibrating element spaced from said immovable connection.

1       4. (Currently Amended) A prosthesis according to claim 3, wherein the stop is  
2 located opposite a portion of the vibrating element located near a free end thereof.

1       5. (Currently Amended) A prosthesis according to according to claim 1,  
2 wherein the vibrating element, in a condition of rest, abuts against said stop.

1       6. (Currently Amended) A voice-producing prosthesis, comprising:  
2           a housing for placement in a passage between the esophagus or throat and an  
3           upper region of the trachea,  
4           a passage through said housing for passing air, and  
5           at least one vibrantly movable vibrating element for vibrating air to produce  
6           sound having at least one base frequency, wherein the vibrating element, in the  
7           condition of rest, abuts against a stop with pretension.

1       7. (Currently Amended) A voice-producing prosthesis, comprising:  
2           a housing for placement in a passage between the esophagus or throat and an  
3           upper region of the trachea,  
4           a passage through said housing for passing air, and  
5           at least one vibrantly movable vibrating element for vibrating air to produce  
6           sound having at least one base frequency, wherein a stop is formed by a second  
7           vibrating element.

1       8. (Currently Amended) A prosthesis according to according to claim 1,  
2       wherein the vibrating element is designed as a lip projecting from a wall of the  
3       passage, a free end of said lip, in the condition of rest, being directed in a direction  
4       substantially parallel to the passage.

1       9. (Currently Amended) A voice-producing prosthesis, comprising:  
2           a housing for placement in a passage between the esophagus or throat and an  
3       upper region of the trachea,  
4           a passage through said housing for passing air, and  
5           at least one vibrantly movable vibrating element for vibrating air to produce  
6       sound having at least one base frequency, wherein the at least one vibrating element  
7       comprising two mutually substantially identical lips which, in the condition of rest, abut  
8       against each other.

1       10. (Currently Amended) A voice-producing prosthesis, comprising:  
2           a housing for placement in a passage between the esophagus or throat and an  
3       upper region of the trachea,  
4           a passage through said housing for passing air,  
5           at least one vibrantly movable vibrating element for vibrating air to produce  
6       sound having at least one base frequency,  
7           at least one stop for impeding vibration of the vibrating element, and  
8           at least one passage along the at least one vibrating element for passing air  
9       along the at least one vibrating element in any position of the vibrating element.

1       11. (Currently Amended) A prosthesis according to according to claim 1,  
2       wherein the vibrating element is arranged to carry out displacements, resulting in air  
3       pulses, of which the first derivative shows discontinuities.

1       12. (Currently Amended) A prosthesis according to according to claim 1,  
2       wherein the vibrating element is arranged to generate vibrations with a frequency  
3       spectrum of sinusoids comprising a base frequency and frequencies above, of which  
4       the intensity is lower by 10-14 dB/octave.

1       13. (Currently Amended) A voice-producing prosthesis, comprising:  
2            a housing for placement in a passage between the esophagus or throat and an  
3            upper region of the trachea,  
4            a passage through said housing for passing air, and  
5            at least one vibrantly movable vibrating element for vibrating air to produce  
6            sound having at least one base frequency, wherein the at least one vibrating element  
7            comprises a hollow space filled with a fluid or a soft substance.

1       14. (Currently Amended) A prosthesis according to claim 13, wherein the fluid  
2       is a liquid.

1       15. (Currently Amended) A one-way valve for placement in a wall between the  
2       esophagus and the trachea of a patient, comprising a housing with a passage, a  
3       closing body for closing said passage, and a sound generating prosthesis located in  
4       the passage.